

PUBLIC WORKSHOP

2012 Agricultural Water Use Efficiency PSP – Draft Funding Awards



May 9, 2013 — Sacramento

Webinar:

<https://resources.webex.com/resources/j.php?ED=205452632&UID=492867147&RT=MIM0>

***** Please Note New Teleconference Number *****

Conference Line: 1 (866) 434-5269

Passcode: 8614498



Purpose of Workshop

- **Present draft funding recommendations for the 2012 Agricultural Water Use Efficiency Proposal Solicitation**
- **Provide information on next steps leading to the execution of grant agreements**



Solicited Projects

– **Section A (Implementation Projects):**

Ag Water Use Efficiency Projects that result in State benefits:

- Water savings
- Increased in-stream flow
- Improved water quality
- Increased energy efficiency

– **Section B (Other Projects):**

- SBX7-7-compliant Ag. Water Management Plans
- Feasibility Studies and Pilot Projects
- Research and Development
- Training, Education, and Public Outreach



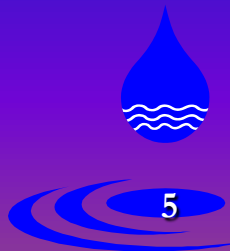
Project Priority

- **Implement Agricultural EWMPs (SBX7-7)**
- **Address multiple benefits**
- **Reduce current or future diversions from the Delta**
- **Improve local water supply reliability**
- **Conserve energy and help reduce GHGs**



Proposals Received

Project Category		Grant Requested	Total Projects Cost
14	A -Implementation Projects	\$16,953,536	\$34,457,947
21	B1 -R&D/Feasibilities/Pilots/Demos	\$3,912,356	\$4,728,816
16	B2 -Training/Education/Outreach	\$2,877,749	\$3,333,058
3	C -AWMP Preparation	\$150,000	\$390,318
54	Total	\$23,893,641	\$42,910,139



Review Panels

Panel A – (6 reviewers)

Section A (Implementation) Proposals

Panel B1 – (6 reviewers)

Section B (R&D/Feasibilities/Pilots/Demos) Proposals

Panel B2 – (6 reviewers)

Section B (Training/Education/Outreach) Proposals

Panel C – (3 reviewers)

AWMP Preparation Proposals



Review Process

- All reviewers are subject to State conflict of interest laws
- All reviewers signed a Non-Conflict of Interest Form
- Reviewers have independently evaluated proposals according to the criteria established in the PSP
- Each panel discussed individual scores and came up with consensus scores and ranking



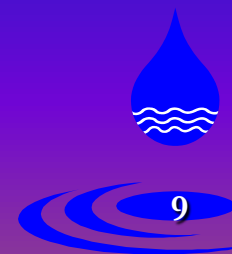
Project Benefits—55 points

1. How well does the proposal address the priorities of the PSP?	20
2. How significant is the quantity of the State's Benefit? How does the quantity of the benefit provided compare with other proposals or with other WUE projects? How accurately benefits are estimated?	10
3. Based on the proposals statement of work and project description, how likely will the quantity of benefits estimated in the proposal be achieved?	10
4. How well does the project provide multiple benefits? Water savings, water quality, and energy savings / GHG emissions reduction?	5
5. How well will the project monitor and verify project results?	10



Project Costs—40 points

1. How reasonable are the projects costs? How accurately were the local monetary benefits estimated?	10
2. How closely has the applicant matched the project's local cost share to the local monetary benefit?	15
3. How does the State's benefit to cost ratio compare with other proposals in the funding category?	15



Innovation—5 points

Does the project offer a new technology, method, or system that has not yet been tested in California?

5



Project Benefits—50 points

1. Will the information gained from the project (research, feasibility studies) or the information disseminated by the project (technical assistance, education) address the priorities of the PSP? Is the planning project compliant with SB X7-7?	25
2. Will the information gained or the information disseminated result in potential benefit to the state?	10
3. Based on the proposal's statement of work, how reasonable and realistic are the proposal's estimates of potential benefits?	10
4. How well will the results of the project contribute towards providing multiple benefits? Water quality, energy savings/GHG emissions reduction as well as water savings?	5



Project Costs—40 points

1. How reasonable are the project costs?	20
2. How well does the proposal's ratio of potential State benefits to project costs compare with other proposals in the funding category?	20



Innovation—10 points

Does the project offer a new technology, method or system that has not yet been tested in California?

10



Summary of Recommended Grant Awards

Project Category	Number of Funded Projects / Total Projects	Awarded Projects Total Cost	Local Cost-Share	Awarded Grants
Section A Implementation Projects	12/15	\$ 27,214,207	\$16,579,855	\$10,634,352
Section B R&D, Feasibilities, Pilots, Training, Outreach.	27/36	\$6,067,301	\$1,851,929	\$4,215,372
Section C AWMP Preparation	3/3	\$390,318	\$240,318	\$150,000
Total	42/54	\$33,671,826	\$18,672,102	\$14,999,724



Distribution of Funds

Project Type	Available Funding	Proposed Awards
Section A –		
Implementation Projects	\$10,000,000	\$10,634,352
Section B –		
Research and Development Feasibility Studies Pilot or Demonstration Projects Training, Education, or Public Outreach Programs Technical Assistance Programs	\$3,000,000	\$4,215,372
Planning Grants (Preparation of SBX7-7 AWMP)	\$2,000,000	\$150,000

Total Funds: \$15 million



Section A (Implementation) Proposals

Ranking and Draft Grant Awards

No	Rank	Applicant	Project Title	Total Cost	Requested	Proposed Award
0022	1	Buena Vista Water Storage District	Northern Area Pipeline Project - Phase 1	\$10,626,844	\$2,000,000	\$1,800,000
0029	2	Reclamation District 2035	Pump conversions & modernization: improving water system management, energy efficiency and air quality	\$ 471,456	\$372,000	\$37,600
0045	3	Cawelo Water District	Calloway Canal Lining Project	\$4,804,439	\$2,000,000	\$1,800,000
0038	4	Natomas Central Mutual Water Company	NDC Lift - Tailwater Recirculation Pump Station	\$3,582,000	\$2,000,000	\$1,800,000
0052	5	Western Canal Water District	Replacement and Automation of Nelson Elevation Control Structure	\$750,000	\$666,883	\$600,195
0051	6	Ventura County Resource Conservation District	Implementing Agricultural Efficient Water Management Practices in Ventura County	\$904,000	\$650,712	\$478,000
0036	7	Natomas Central Mutual Water Company	Sankey Road Check Structure Automation Project	\$270,000	\$240,000	\$216,000
0040	8	Butte Water District	BWD Pennington Weir Replacement	\$942,170	\$753,320	\$677,988
0004	9	Placer County Water Agency (BMS)	Gunite Lining of Earthen Canal to Reduce Unrecoverable Water Loss	\$843,187	\$443,753	\$399,378
0032	10	Maxwell Irrigation District	Flow Measurement Improvements Project	\$246,950	\$198,440	\$178,596
0041	11	Yolo County Flood Control and Water Conservation District	Winters Main Canal Modernization Project: Integrated Precision Water Management	\$2,175,000	\$1,625,000	\$1,288,350
0030	12	Orland Unit Water Users Association	Orland Project Northside Distribution System Improvements	\$1,598,161	\$1,509,161	\$1,358,245
0016	13	Western Growers	Agricultural Water Use Conservation Program Development	\$1,540,690	\$1,374,090	-
0006	14	Anderson-Cottonwood Irrigation District	Clear Creek Siphon Rehabilitation and Habitat Restoration Project	\$1,775,000	\$1,423,000	-
0039	15	Westlands Water District	Expanded Irrigation System Improvement Program	\$4,175,000	\$2,000,000	-
Total				\$34,704,897	\$17,256,359	\$10,634,352

Section B Proposals

Ranking and Draft Grant Awards

No	Rank	Applicant	Project Title	Total Cost	Requested	Proposed Award
0043	1	University Corporation at Monterey Bay	Satellite Irrigation Management Support (SIMS): Mapping Crop Water Requirements through Integration of Satellite Observations and CIMIS Data	\$384,616	\$198,116	\$198,116
0027	2	Tehama County Resource Conservation District	Northern Sacramento Valley Mobile Irrigation Lab	\$229,791	\$200,000	\$200,000
0003	3	California State University Fresno Foundation	Distributed Sensor Network Based Optimization of Agricultural Practices to Assess Nutrient Dynamics and Limit Nitrogen Losses	\$193,931	\$193,931	\$166,644
0044	4	Napa County Resource Conservation District	Deploying Mobile Water Labs to Acheive Regional Water Use Efficiency	\$282,492	\$194,613	\$179,613
0017	5	University of California, Davis	Wireless Sensing and Control to Improve Water Use Efficiency in California Crops	\$253,048	\$199,257	\$199,257
0019	6	Rancho California Water District	Virtual Technical Assistance Center Project	\$214,966	\$112,719	\$112,719
0015	7	Regents of the University of Calif.	Web-based irrigation scheduling tool for California crops	\$199,823	\$199,823	\$189,823
0008	8	California Rural Water Association	CRWA Statewide Leak Detection Training and Technical Assistance Program	\$192,800	\$192,800	\$192,800
0049	9	University of California, Davis	Microcalorimetry for rapid assessment of crop salinity tolerance	\$262,082	\$199,673	\$199,673
0005	10	Community Alliance With Family Farmers	On Farm Water Conservation Outreach and Education	\$190,682	\$190,682	\$170,682
0048	11	University of California, Davis	Analysis of SDI Applications in Alfalfa to Improve Water Use Efficiency and Water Quality	\$200,000	\$200,000	\$190,000
0009	12	California Rural Water Association	CRWA Statewide EWMP & SB X7-7 Educational Program	\$186,000	\$186,000	\$166,000
0002	13	California State University Fresno Foundation	WATERIGHT Irrigation Scheduling and Field Water Management	\$183,700	\$183,700	\$183,700
0010	14	California Rural Water Association	CRWA Northern California EWMP & SB X7-7 Technical Assistance Program	\$198,700	\$198,700	\$198,700
0012	15	Regents of the University of California	Automation of Surface Irrigation Systems in California	\$198,502	\$198,502	\$177,502



Section B Proposals

Ranking and Draft Grant Awards (cont.)

No	Rank	Applicant	Project Title	Total Cost	Requested	Proposed Award
0011	16	California Rural Water Association	CRWA Southern California EWMP & SB X7-7 Technical Assistance Program	\$198,700	\$198,700	\$0
0024	17	University Corporation at Monterey Bay	Automated farm-based irrigation scheduling using the VSIM/TOPS water balance modeling system	\$255,354	\$192,390	\$192,390
0053	18	Cachuma RCD	Water Efficiency for Agricultural Operations for Statewide Application	\$250,000	\$166,104	\$141,994
0034	19	Colorado State University	Validation of the Steady-state Hoffman Conceptual Model for determination of minimum crop leaching requirements and stakeholder outreach using CSUID	\$270,365	\$200,000	\$180,000
0018	20	Semitropic Water Storage District	Meter Calibration Facility	\$265,392	\$200,000	\$180,000
0047	21	University of California, Davis	Combined vegetated and slow sand filters to disinfect irrigation runoff for reuse	\$262,307	\$199,878	\$179,878
0014	22	Cal Poly Corporation	Technical Assistance to Areas Serving Disadvantaged Communities	\$199,999	\$199,999	\$149,999
0025	23	San Joaquin County Resource Conservation District	Innovative Hydrogel Use to Prevent Runoff; Decrease Water, Electricity and Fertilizer Needs; and Promote Increased Tomato Crop Yield	\$28,509	\$28,509	\$28,509
0055	24	Cachuma RCD	Strategic Agriculture Water Efficiency Action Plan - Goleta, CA	\$250,000	\$160,965	\$0
0037	25	University of California, Davis	SIMETAW and Cal-SIMETAW Upgrade	\$288,231	\$181,353	\$130,000
0054	26	Cachuma RCD	Strategic Agriculture Water Efficiency Action Plan - Carpinteria, CA	\$250,000	\$200,000	\$200,000
0033	27	University of California, Davis	Customized Web-Based Calculator for Quantifying and Monitoring the Efficiency of Agricultural Water Use	\$177,311	\$157,373	\$107,373
0007	28	Mission Resource Conservation District	Demonstration of Agricultural Irrigation Technologies and Improved Water Use Efficiency	\$237,909	\$187,510	-
0031	29	Ca. Land Stewardship Institute	Demonstration Project and Technical Assistance to implement water efficiency in the Russian River watershed	\$235,200	\$200,000	-
0050	30	American Rivers	Guidance for Off-Stream Agricultural Water Efficiency Projects with Instream Benefits	\$140,225	\$120,225	-

Section B Proposals

Ranking and Draft Grant Awards (cont.)

No	Rank	Applicant	Project Title	Total Cost	Requested	Proposed Award
0013	32	Pacific Institute	Overcoming Obstacles to Implementing EWMPs: Workshops for Growers and Irrigation Districts	\$106,000	\$106,000	-
0042	33	Westside Water District	Data and Flow Measurements Project Phase I	\$86,130	\$68,904	-
0028	34	University of California, Berkeley	Estimating the Real Water Savings from Irrigation Efficiency: A Pilot Study	\$191,800	\$191,800	-
0046	35	City of Plymouth	Feasibility Of Plymouth Ditch Modifications For Cosumnes River Pre-1914 Water Rights During Peak Water Use	\$193,199	\$188,139	-
0035	36	University of California, Davis	Maximizing efficient water use in agriculture by improving soil health with amendments	\$289,770	\$198,163	-
0026	37	University of California, Davis	Demonstration of Agricultural Water Use Efficiency with Real-time Irrigation Management	\$267,390	\$197,390	-
Total				\$7,814,924	\$6,391,918	\$4,215,372



Review and Selection Process

**Applications Received
(Deadline: 11/21/12)**

Eligibility Review

Technical Review

**Score and Rank Proposals
(Consensus Review)**

 **Conduct Public Workshop
(Comments on Draft Funding Recommendations)**

**Final Funding Decision by DWR Director
(Posted to DWR Website)**

Contracting Process Begins



Agreement Requirements cont.

- **Cost-Share Commitment Letter**

- Institutional cost-sharing agreement signed by an authorized official, or
- In-kind contribution signed by authorized third party official

- **Signed Resolution**

From governing board accepting funds and designating a representative



Agreement Requirements

- **Standard Terms and Conditions**
 - Specified by authorizing legislation and DWR policies and procedures
 - **Work on project prior to final execution of agreement is at Applicant's own risk:**
 - Costs incurred after award but before agreement signing can be considered as cost share at DWR's discretion
 - Costs incurred BEFORE award are not eligible
- **SOW, Tasks, Timeline, and Budget.**



Agreement Requirements cont.

■ Reports

- Quarterly fiscal and programmatic reports
- Comprehensive Final Report
- Section A: annual benefit and cost reports for 5 years after completion encouraged
- All information under contract is public



Compliance with Applicable Laws and Regulations

- Ag Water Measurements Regulation (*CCR 597 et seq.*)
- SBX7-7: Efficient Water Management Practices (**EWMPs**), Ag Water Management Plan (**AWMP**)
- Labor Code Compliance
- Intellectual and Proprietary Rights
- Environmental Documentation



Questions / Comments

- **Comments Deadline: 5/15/2013**
- Department of Water Resources
Water Use and Efficiency Branch
Attn: Fethi BenJemaa
901 P Street, Third Floor
Sacramento, California 95814
- **Email: AgWUE@water.ca.gov**

